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- 1. A method for calibrating the offset of angle sensors, which determine an angle to be determined on the basis of a sine signal that can be assigned to the angle and a cosine signal that can be assigned to the angle, having the following steps:
- determining the sine signal and the cosine signal for at least three different angles (1, 2, 3) to obtain at least three value pairs (Usin(1) Ucos(1); Usin(2), Ucos(2); Usin(3), Ucos(3)), each containing one sine signal and one cosine signal.
- displaying the at least three value pairs in an at least two-dimensional coordinate system that represents a sine signal-cosine signal plane; and
- determining a point, representing the offset to be calibrated, in the coordinate system with regard to which point the at least three value pairs are located on an arc.
- 2. The method of claim 1, characterized in that the offset Osin of the sine signal is determined in accordance with an equation

 $Osin=1/2 * {Ucos(1) - Ucos(3) + [(Usin(2) - Ucos(3) + (Usin(2) - Ucos($

 $U\sin(1)$ * ($U\sin(2) + U\sin(1)$) / ($U\cos(2) - U\cos(1)$]-[($U\sin(3) - U\sin(1)$)

 $U\sin(2)$) * $(U\sin(3) + U\sin(2) / (U\cos(3) - U\cos(2))$ }/[(Usin(2) -

Usin(1))/(Ucos(2)-Ucos(1)-(Usin(3)-Usin(2))/(Ucos(3)-Usin(2))

pcos(2))]

and the offset Ocos of the cosine signal is determined

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in accordance with an equation

Ocos=1/2*{Usin(1)-Usin(3)+{((Ucos(2)-Ucos(1))*(Ucos(2)+ Ucos(1))/(Usin(2)-Usin(1)]-[(Ucos(3)-Ucos(2))*(Ucos(3)+ Ucos(2)/(Usin(3)-Usin(2)]}/[(Ucos(2)-Ucos(1))/(Usin(2)-Usin(1))-(Ucos(3)-Ucos(2))/(Usin(3)-Usin(2))],

wherein $U\sin(i)$, $U\cos(i)$ represent the determined sensor signals for the positions i = 1, 2, 3.